

## GROUND-WATER LEVELS

## CITY OF CHESAPEAKE

364852076252201. Local number, 59C 29 SOW 163A.

**LOCATION.**--Lat 36°48'53", long 76°25'21", NAD83, Hydrologic Unit 02080208, 0.7 mi southeast of intersection of State Highways 191 and 337 in Chesapeake. Owner: Virginia Department of Environmental Quality.

**AQUIFER.**--Columbia aquifer of Quaternary age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 4 in., depth 35 ft, screened 25 to 35 ft.

**INSTRUMENTATION.**--Biweekly measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Aug. 21, 1985 to Oct. 9, 1996, bimonthly measurement with chalked tape. Prior to Aug. 21, 1985, occasional measurement with chalked tape.

**DATUM.**--Elevation of land-surface datum is 15 ft above sea level, from topographic map. Measuring point: Top of casing, 0.9 ft above land-surface datum, prior to Mar. 11, 1996; 2.45 ft Mar. 12, 1996 to May 28, 1998; 3.74 ft thereafter.

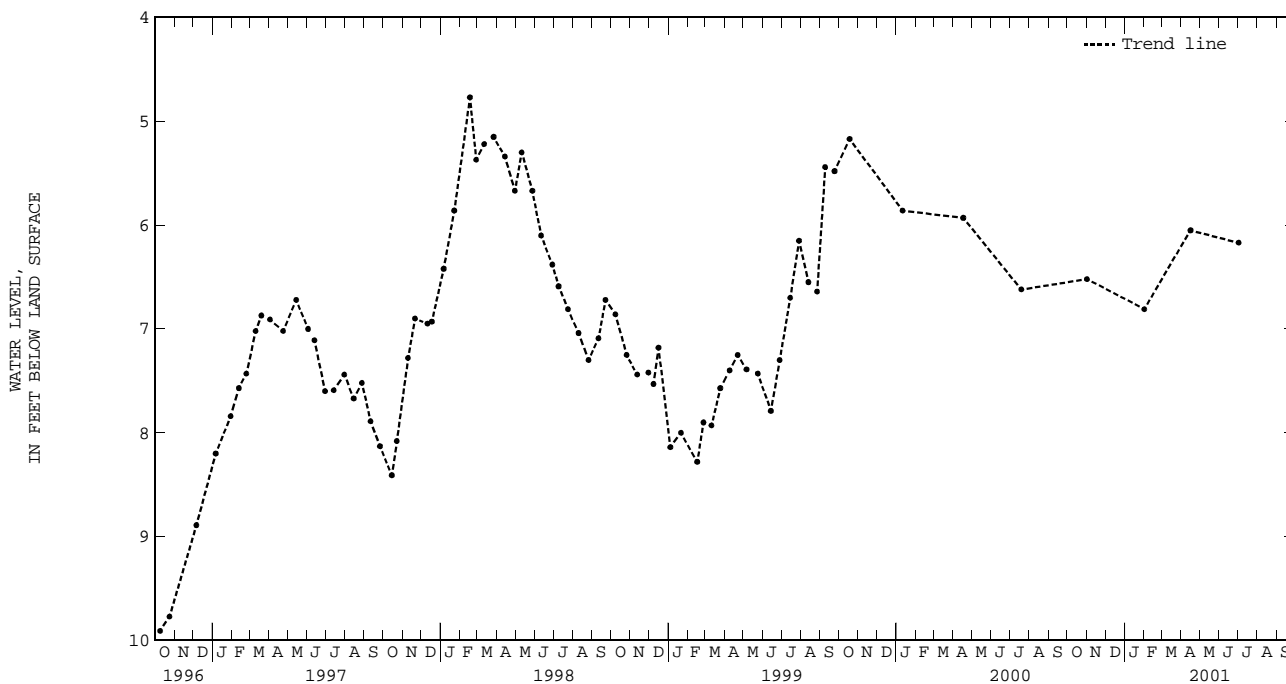
**REMARKS.**--Records provided by the Virginia Department of Environmental Quality - Water Division.

**PERIOD OF RECORD.**--November 1981 to current year. Unpublished records available prior to October 1985 in files of the Virginia Department of Environmental Quality - Water Division.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 2.70 ft below land-surface datum, Mar. 14, 1989; lowest measured, 18.39 ft below land-surface datum, Nov. 5, 1991.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 01	6.52	FEB 01	6.81	APR 16	6.05	JUL 02	6.17
WATER YEAR 2001		HIGHEST	6.05	APR 16, 2001		LOWEST	6.81
						FEB 01, 2001	



## GROUND-WATER LEVELS

87

## CITY OF CHESAPEAKE

364852076252202. Local number, 59C 30 SOW 163B.

**LOCATION.**--Lat 36°48'53", long 76°25'21", NAD83, Hydrologic Unit 02080208, 0.7 mi southeast of intersection of State Highways 191 and 337 in Chesapeake. Owner: Virginia Department of Environmental Quality.

**AQUIFER.**--Middle Potomac aquifer of Cretaceous age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 2 in., depth 948 ft, screened 938 to 948 ft.

**INSTRUMENTATION.**--Biweekly measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Aug. 21, 1985 to Oct. 9, 1996, bimonthly measurement with chalked tape. Prior to Aug. 21, 1985, occasional measurement with chalked tape.

**DATUM.**--Elevation of land-surface datum is 15 ft above sea level, from topographic map. Measuring point: Top of casing, 0.8 ft above land-surface datum, prior to Mar. 11, 1996; 2.47 ft thereafter.

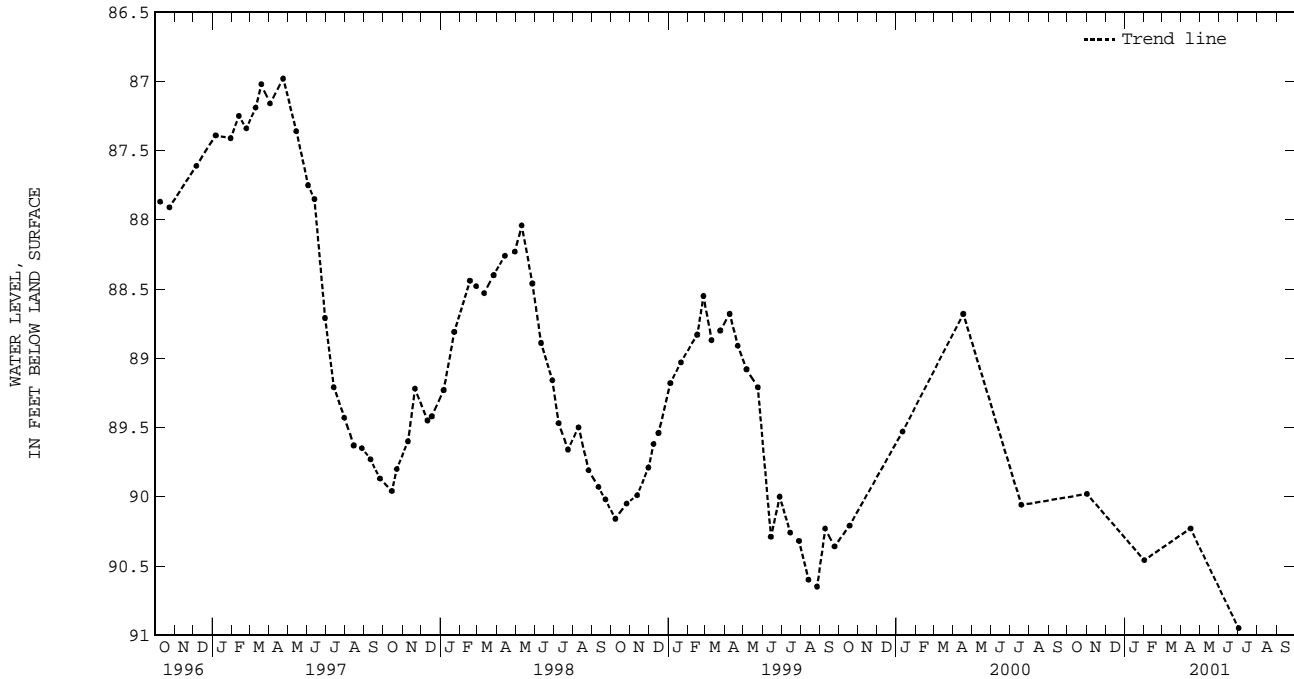
**REMARKS.**--Records provided by the Virginia Department of Environmental Quality - Water Division. Water level affected by regional drawdown.

**PERIOD OF RECORD.**--November 1981 to current year. Unpublished records available prior to October 1985 in files of the Virginia Department of Environmental Quality - Water Division.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 67.06 ft below land-surface datum, May 25, 1983; lowest measured, 91.51 ft below land-surface datum, Oct. 11, 1995.

## WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 01	89.98	FEB 01	90.46	APR 16	90.23	JUL 02	90.95
WATER YEAR 2001		HIGHEST	89.98	NOV 01, 2000		LOWEST	90.95
							JUL 02, 2001



GROUND-WATER LEVELS  
CITY OF CHESAPEAKE

364852076252203. Local number, 59C 31 SOW 163C.

**LOCATION.**--Lat 36°48'53", long 76°25'21", NAD83, Hydrologic Unit 02080208, 0.7 mi southeast of intersection of State Highways 191 and 337 in Chesapeake. Owner: Virginia Department of Environmental Quality.

**AQUIFER.**--Brightseat-upper Potomac aquifer of Cretaceous-Paleocene age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 2 in., depth 631 ft, screened 621 to 631 ft.

**INSTRUMENTATION.**--Biweekly measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Aug. 21, 1985 to Oct. 9, 1996, bimonthly measurement with chalked tape. Prior to Aug. 21, 1985, occasional measurement with chalked tape.

**DATUM.**--Elevation of land-surface datum is 15 ft above sea level, from topographic map. Measuring point: Top of casing, 1.2 ft above land-surface datum, prior to Mar. 11, 1996; 2.88 ft thereafter.

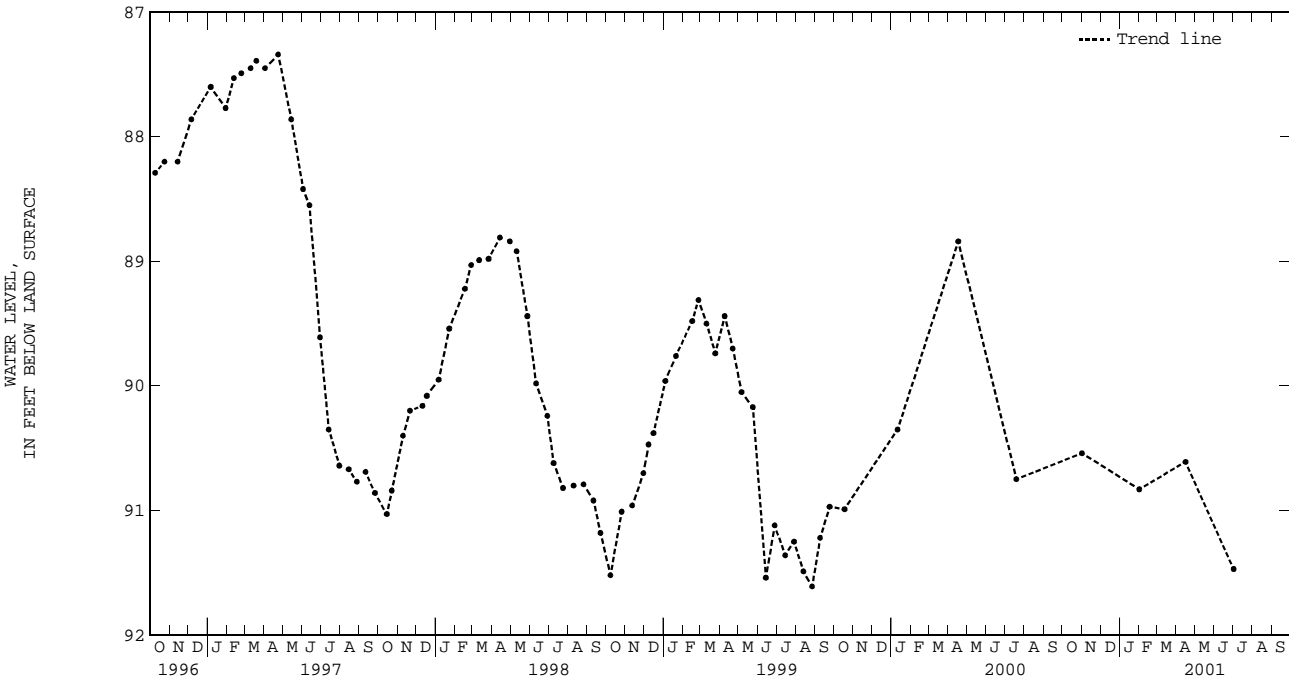
**REMARKS.**--Records provided by the Virginia Department of Environmental Quality - Water Division. Water level affected by regional drawdown.

**PERIOD OF RECORD.**--November 1981 to current year. Unpublished records available prior to October 1985 in files of the Virginia Department of Environmental Quality - Water Division.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 67.13 ft below land-surface datum, Feb. 23, 1983; lowest measured, 94.12 ft below land-surface datum, Oct. 11, 1995.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 01	90.54	FEB 01	90.83	APR 16	90.61	JUL 02	91.47
WATER YEAR 2001		HIGHEST	90.54	NOV 01, 2000	LOWEST	91.47	JUL 02, 2001



## CITY OF CHESAPEAKE

363836076201701. Local number, 60B 3 SOW 090A.

**LOCATION.**--Lat 36°38'37", long 76°20'16", NAD83, Hydrologic Unit 03010205, 0.15 mi north of intersection of Benefit and West Roads, 1.5 mi north of Cornland. Owner: Virginia Department of Environmental Quality.

**AQUIFER.**--Brightseat-upper Potomac aquifer of Cretaceous-Paleocene age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 4 in., depth 855 ft, screened 824 to 834 ft.

**INSTRUMENTATION.**-- Occasional measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Aug. 25, 1985 to Oct. 12, 1995, continuous strip-chart recorder. Prior to Aug. 25, 1985, occasional measurement with chalked tape.

**DATUM.**--Elevation of land-surface datum is 16 ft above sea level, from topographic map. Measuring point: Top of casing, 1.0 ft above land-surface datum.

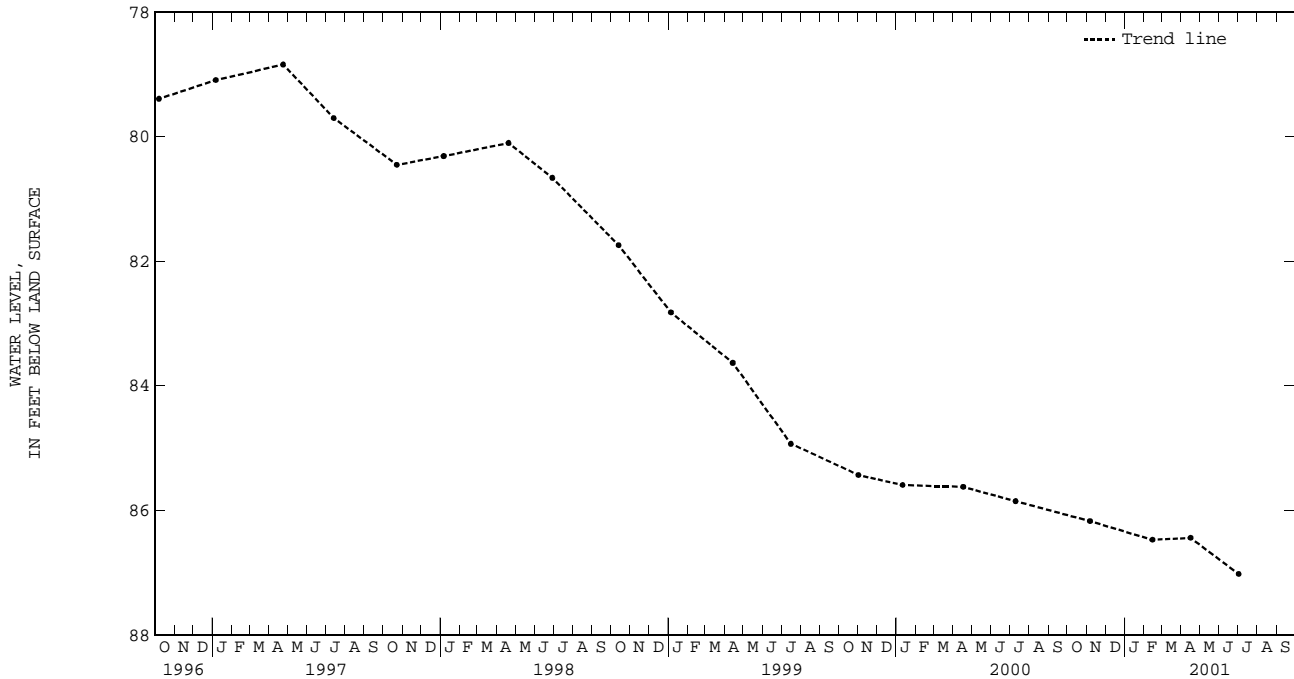
**REMARKS.**--Records provided by the Virginia Department of Environmental Quality - Water Division. Water level affected by regional drawdown.

**PERIOD OF RECORD.**--July 1978 to current year. Unpublished records available prior to October 1985 in files of the Virginia Department of Environmental Quality - Water Division.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 53.80 ft below land-surface datum, Jul. 11, 1978; lowest recorded, 87.02 ft below land-surface datum, Jul. 2, 2001.

## WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 06	86.17	FEB 14	86.47	APR 16	86.44	JUL 02	87.02
WATER YEAR 2001		HIGHEST	86.17	NOV 06, 2000	LOWEST	87.02	JUL 02, 2001



## CITY OF CHESAPEAKE

363836076201702. Local number, 60B 4 SOW 090B.

**LOCATION.**--Lat 36°38'37", long 76°20'16", NAD83, Hydrologic Unit 03010205, 0.15 mi north of intersection of Benefit and West Roads, 1.5 mi north of Cornland. Owner: Virginia Department of Environmental Quality.

**AQUIFER.**--Virginia Beach aquifer of Cretaceous age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 4 in., depth 556 ft, screened 525 to 535 ft.

**INSTRUMENTATION.**--Occasional measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Oct. 9, 1985, to Jul. 6, 1995, bimonthly measurement with chalked tape. Prior to Oct. 9, 1985, occasional measurement with chalked tape.

**DATUM.**--Elevation of land-surface datum is 16 ft above sea level, from topographic map. Measuring point: Top of casing, 2.05 ft above land-surface datum prior to Mar. 2, 1988; 1.2 ft thereafter.

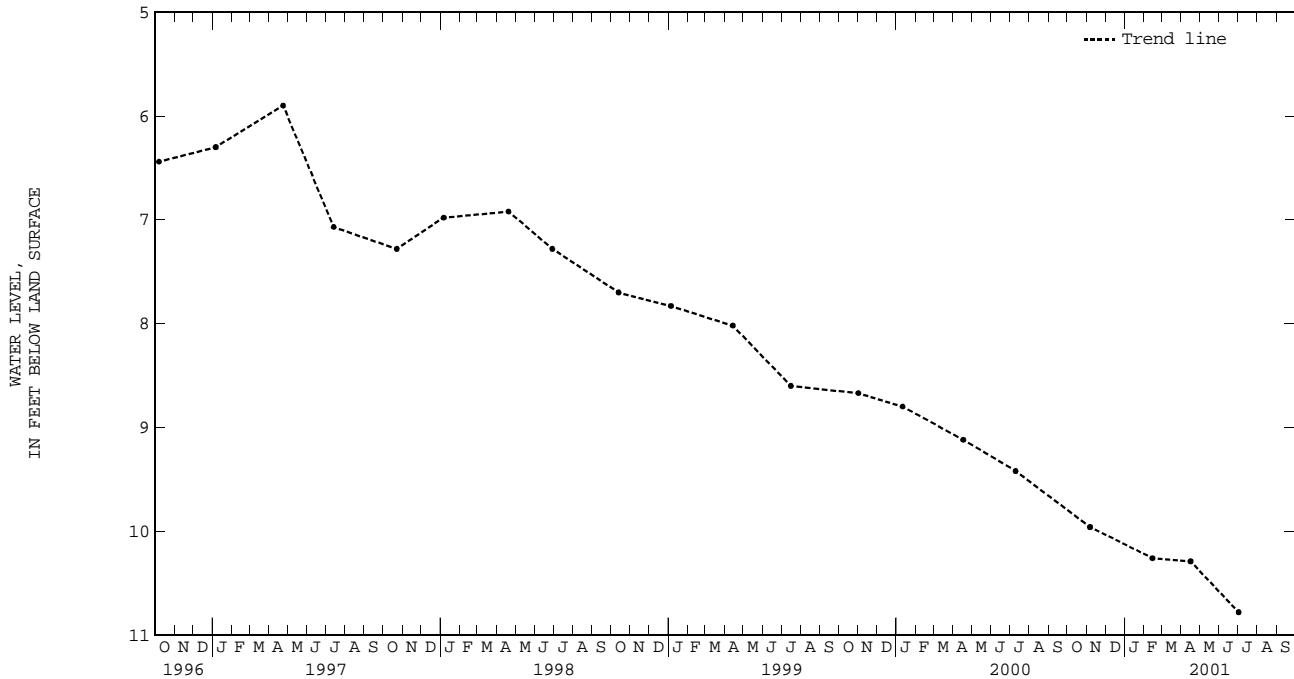
REMARKS.--Records provided by the Virginia Department of Environmental Quality - Water Division. Water level affected by regional drawdown.

PERIOD OF RECORD.--February 1978 to current year. Unpublished records available prior to October 1985 in files of the Virginia Department of Environmental Quality - Water Division.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 2.20 ft above land-surface datum, Feb. 1, 1978; lowest measured, 10.78 ft below land-surface datum, Jul. 2, 2001.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 06	9.96	FEB 14	10.26	APR 16	10.29	JUL 02	10.78
WATER YEAR 2001		HIGHEST	9.96	NOV 06, 2000		LOWEST	10.78 JUL 02, 2001



## GROUND-WATER LEVELS

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## CITY OF CHESAPEAKE

364615076182101. Local number, 60C 41 SOW 164.

**LOCATION.**--Lat 36°46'16", long 76°18'20", NAD83, Hydrologic Unit 02080208, 50 ft north of entrance road to Virginia Power powerplant, 500 ft south of Military Highway in Chesapeake. Owner: Virginia Power.

**AQUIFER.**--Brightseat-upper Potomac aquifer of Cretaceous-Paleocene age.

**WELL CHARACTERISTICS.**--Drilled unused water well, diameter 6 in. to 400 ft, diameter 4 in. from 400 to 928 ft, depth 928 ft, screened 770 to 780 ft, 875 to 885 ft, 918 to 928 ft.

**INSTRUMENTATION.**--Occasional measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Nov. 25, 1982 to Oct. 12, 1995, continuous strip-chart recorder. Prior to Nov. 25, 1982, occasional measurement with chalked tape.

**DATUM.**--Elevation of land-surface datum is 10 ft above sea level, from topographic map. Measuring point: Top of casing, 1.6 ft above land-surface datum prior to Jul. 15, 1987; 1.5 ft thereafter.

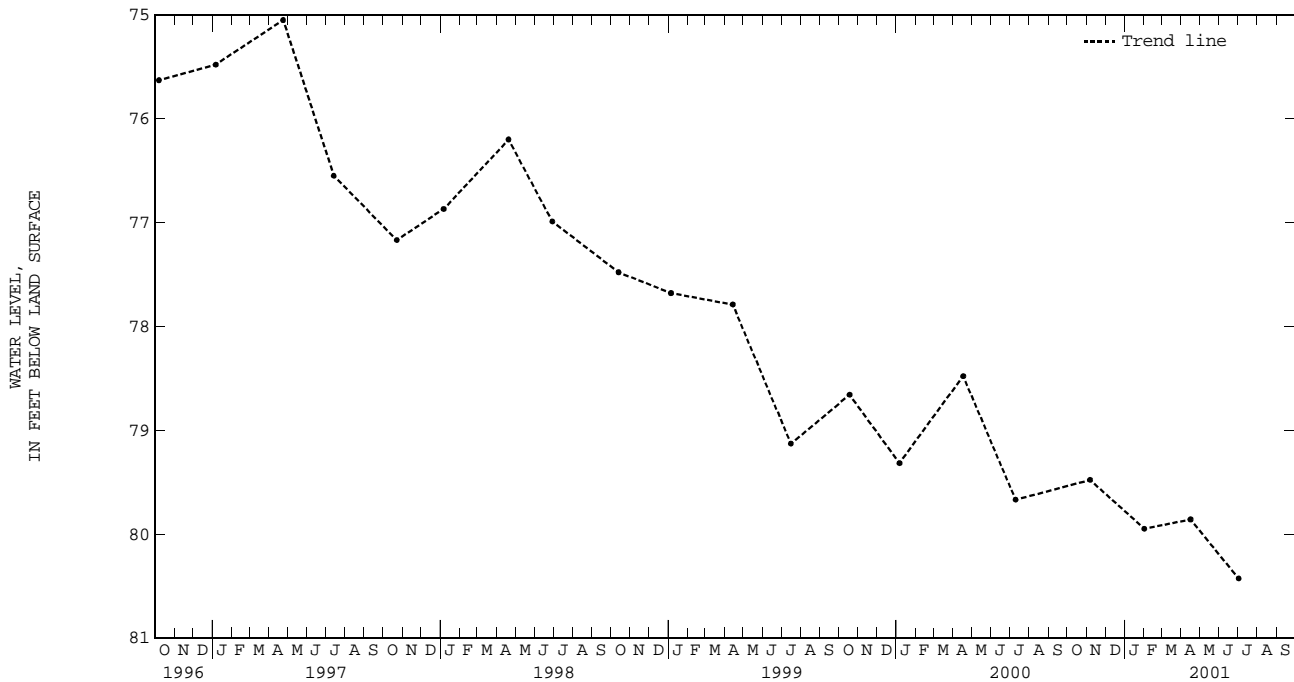
**REMARKS.**--Records provided by the Virginia Department of Environmental Quality - Water Division. Water level affected by regional drawdown.

**PERIOD OF RECORD.**--February 1982 to current year. Unpublished records available prior to October 1987 in files of the Virginia Department of Environmental Quality - Water Division.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level recorded, 55.22 ft below land-surface datum, Mar. 15, 1983; lowest recorded, 80.43 ft below land-surface datum, Jul. 2, 2001.

## WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 06	79.48	FEB 01	79.95	APR 16	79.86	JUL 02	80.43
WATER YEAR 2001		HIGHEST	79.48	NOV 06, 2000	LOWEST	80.43	JUL 02, 2001



## GROUND-WATER LEVELS

## CITY OF CHESAPEAKE

364227076074702. Local number, 61B 5 SOW 091B.

**LOCATION.**--Lat 36°42'28", long 76°07'46", NAD83, Hydrologic Unit 03010205, 300 ft south of Lockheed Avenue, 0.7 mi east of intersection of State Highway 165 and Lockheed Avenue, and 3.8 mi east of Fentress. Owner: Virginia Department of Environmental Quality.

**AQUIFER.**--Brightseat-upper Potomac aquifer of Cretaceous-Paleocene age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 4 in., depth 1,060 ft, screened 1,040 to 1,060 ft.

**INSTRUMENTATION.**--Occasional measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Oct. 9, 1985, to Jul. 6, 1995, bimonthly measurement with chalked tape. Prior to Oct. 9, 1985, occasional measurement with chalked tape.

**DATUM.**--Elevation of land-surface datum is 15 ft above sea level, from topographic map. Measuring point: Top of casing, 1.5 ft above land-surface datum.

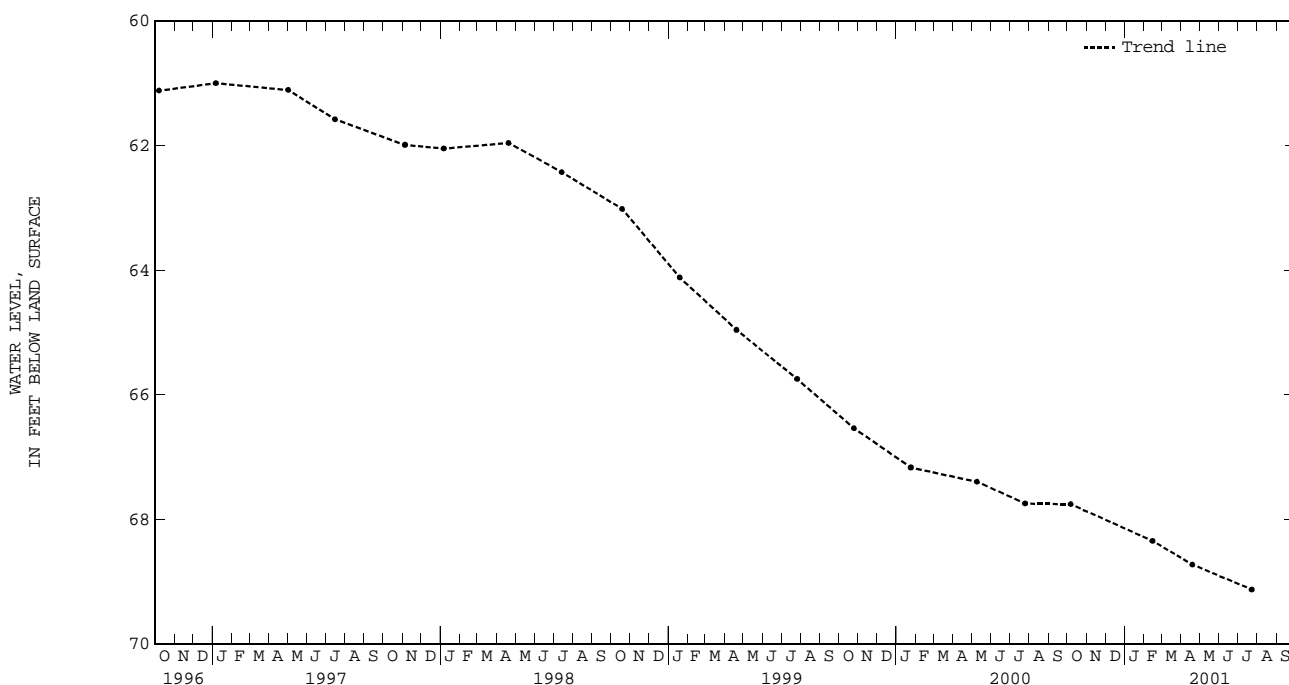
**REMARKS.**--Records provided by the Virginia Department of Environmental Quality - Water Division. Water level affected by regional drawdown.

**PERIOD OF RECORD.**--June 1979 to current year. Unpublished records available prior to October 1987 in files of the Virginia Department of Environmental Quality - Water Division.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 27.83 ft below land-surface datum, Aug. 28, 1980; lowest measured, 69.13 ft below land-surface datum, Jul. 23, 2001.

## WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	67.76	FEB 14	68.35	APR 19	68.73	JUL 23	69.13
WATER YEAR 2001		HIGHEST	67.76	OCT 06, 2000	LOWEST	69.13	JUL 23, 2001



## CITY OF CHESAPEAKE

364227076074703. Local number, 61B 6 SOW 091C.

**LOCATION.**--Lat 36°42'28", long 76°07'46", NAD83, Hydrologic Unit 03010205, 300 ft south of Lockheed Avenue, 0.7 mi east of intersection of State Highway 165 and Lockheed Avenue, and 3.8 mi east of Fentress. Owner: Virginia Department of Environmental Quality.

**AQUIFER.**--Virginia Beach aquifer of Cretaceous age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 4 in., depth 780 ft, screened 760 to 780 ft.

**INSTRUMENTATION.**--Occasional measurement with manometer or chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Oct. 9, 1985, to Jul. 6, 1995, bimonthly measurement with chalked tape. Prior to Oct. 9, 1985, occasional measurement with manometer.

**DATUM.**--Elevation of land-surface datum is 15 ft above sea level, from topographic map. Measuring point: Top of casing, 7.0 ft above land-surface datum prior to Jan. 11, 1989; 1.2 ft thereafter.

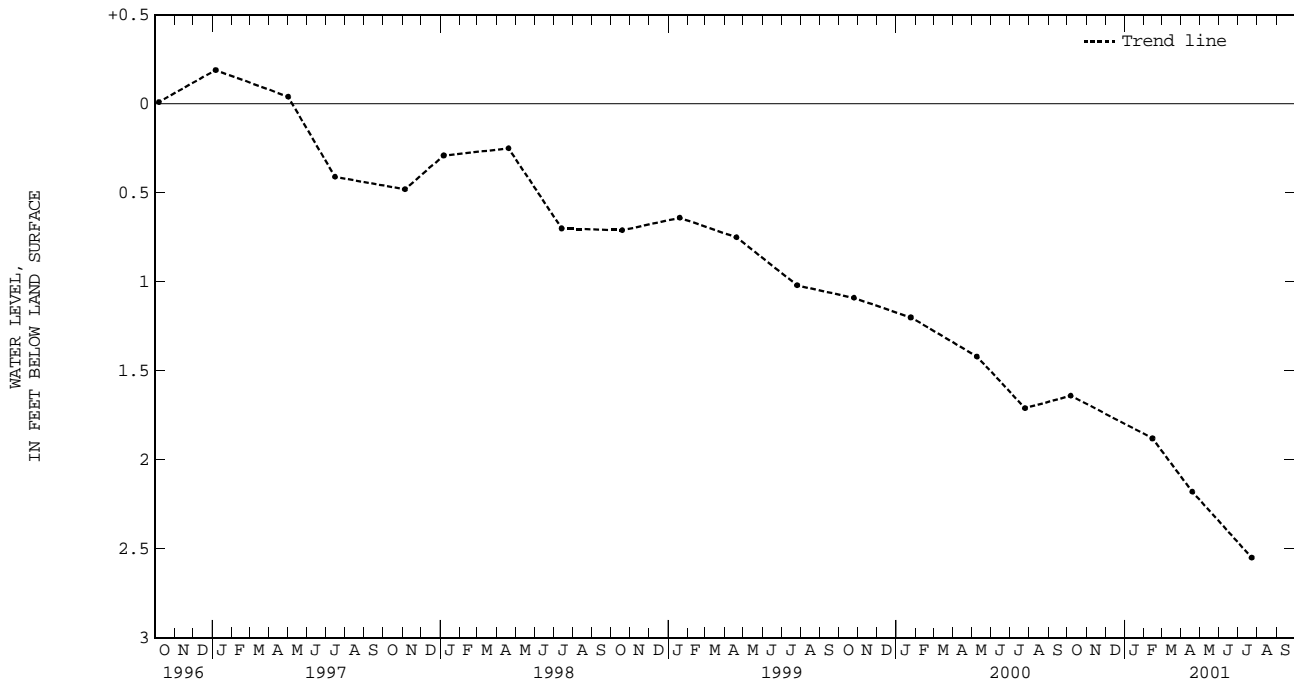
**REMARKS.**--Records provided by the Virginia Department of Environmental Quality - Water Division. Water level affected by regional drawdown. Water from this well is known to contain concentrations of dissolved solids greater than 1,000 mg/L.

**PERIOD OF RECORD.**--July 1979 to current year. Unpublished records available prior to October 1987 in files of the Virginia Department of Environmental Quality - Water Division.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 6.37 ft above land-surface datum, Jul. 26, 1979; lowest measured, 2.55 ft below land-surface datum, Jul. 23, 2001.

## WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	1.64	FEB 14	1.88	APR 19	2.18	JUL 23	2.55
WATER YEAR 2001 HIGHEST		1.64	OCT 06, 2000	LOWEST		2.55	JUL 23, 2001





## GROUND-WATER LEVELS

## CITY OF CHESAPEAKE

364231076140801. Local number, 61B 8 SOW 134.

**LOCATION.**--Lat 36°42'32", long 76°14'07", NAD83, Hydrologic Unit 03010205, at Great Bridge Junior High School, in Great Bridge.  
Owner: Virginia Department of Environmental Quality.

**AQUIFER.**--St. Marys-Choptank aquifer of Miocene age.

**WELL CHARACTERISTICS.**--Drilled unused water well, diameter 8 in., depth 100 ft, screened 84 to 94 ft.

**INSTRUMENTATION.**--Occasional measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Oct. 9, 1985, to Jul. 5, 1995, bimonthly measurement with chalked tape. Prior to Oct. 9, 1985, occasional measurement with chalked tape.

**DATUM.**--Elevation of land-surface datum is 20 ft above sea level, from topographic map. Measuring point:

Top of casing, 0.8 ft above land-surface datum.

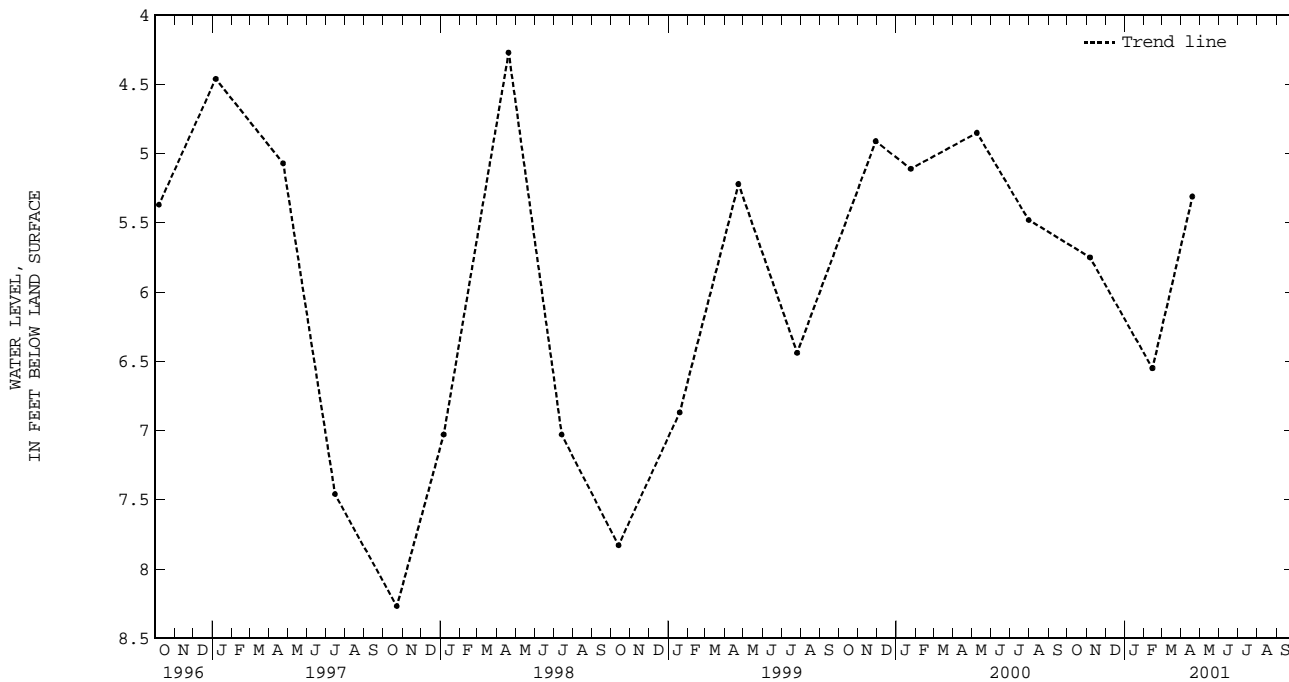
**REMARKS.**--Records provided by the Virginia Department of Environmental Quality - Water Division.

**PERIOD OF RECORD.**--January 1979 to current year. Unpublished records available prior to October 1987 in files of the Virginia Department of Environmental Quality - Water Division.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 3.80 ft below land-surface datum, Apr. 14, 1993; lowest measured, 16.07 ft below land-surface datum, Sep. 18, 1980.

## WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL		
NOV 06	5.75	FEB 14	6.55	APR 19	5.31		
WATER YEAR 2001		HIGHEST	5.31	APR 19, 2001	LOWEST	6.55	FEB 14, 2001



## GROUND-WATER LEVELS

95

## CITY OF CHESAPEAKE

364227076074706. Local number, 61B 12 SOW 091E.

**LOCATION.**--Lat 36°42'28", long 76°07'46", NAD83, Hydrologic Unit 03010205, 300 ft south of Lockheed Avenue, 0.7 mi east of intersection of State Highway 165 and Lockheed Avenue, and 3.8 mi east of Fentress. Owner: Virginia Department of Environmental Quality.

**AQUIFER.**--Lower Potomac aquifer of Cretaceous age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 4 in. to 1,630 ft, diameter 2 in. from 1,630 to 1,830 ft, depth 1,830 ft, screened 1,820 to 1,830 ft.

**INSTRUMENTATION.**--Occasional measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Prior to Jul. 6, 1995, bimonthly measurement with chalked tape.

**DATUM.**--Elevation of land-surface datum is 15 ft above sea level, from topographic map. Measuring point: Top of casing, 1.4 ft above land-surface datum.

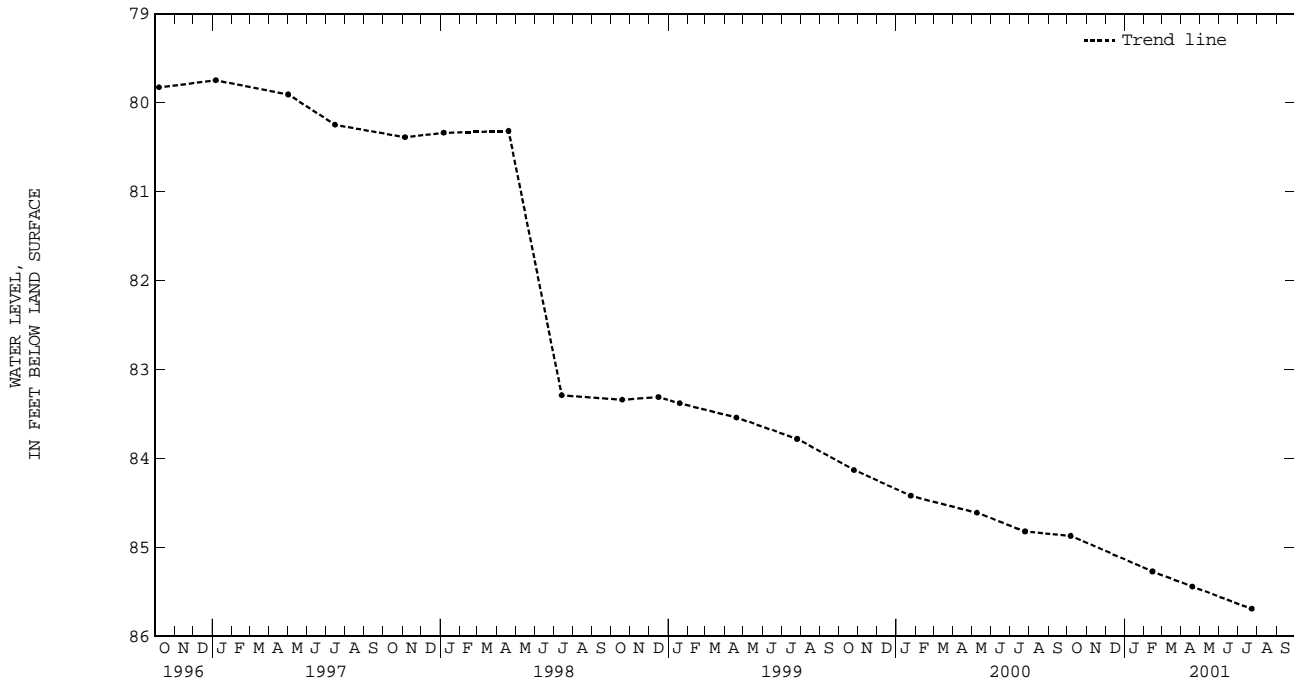
**REMARKS.**--Records provided by the Virginia Department of Environmental Quality - Water Division. Water level affected by regional drawdown. Low water-level drawdown after April 1998 is the result of pumping of the well. Cause of nonrecovery to pre-pumpage level is unknown. Water from this well is known to contain concentrations of dissolved solids greater than 1,000 mg/L.

**PERIOD OF RECORD.**--March 1989 to current year.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 41.50 ft below land-surface datum, Jun. 21, 1989; lowest measured, 85.69 ft below land-surface datum, Jul. 23, 2001.

## WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL		
OCT 06	84.87	FEB 14	85.27	APR 19	85.44	JUL 23	85.69		
WATER YEAR 2001		HIGHEST		84.87	OCT 06, 2000	LOWEST		85.69	JUL 23, 2001



## CITY OF CHESAPEAKE

364227076074707. Local number, 61B 13 SOW 091F.

**LOCATION.**--Lat 36°42'28", long 76°07'46", NAD83, Hydrologic Unit 03010205, 300 ft south of Lockheed Avenue, 0.7 mi east of intersection of State Highway 165 and Lockheed Avenue, and 3.8 mi east of Fentress. Owner: Virginia Department of Environmental Quality.

**AQUIFER.**--Middle Potomac aquifer of Cretaceous age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 4 in. to 1,270 ft, diameter 2 in. from 1,270 to 1,390 ft, depth 1,390 ft, screened 1,370 to 1,380 ft.

**INSTRUMENTATION.**--Continuous strip-chart recorder. Jul. 6, 1995 to Feb. 13, 1997, occasional measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Prior to Jul. 6, 1995, bimonthly measurement with chalked tape.

**DATUM.**--Elevation of land-surface datum is 15 ft above sea level, from topographic map. Measuring point: Top of casing, 1.1 ft above land-surface datum.

REMARKS.--Records provided by the Virginia Department of Environmental Quality - Water Division. Water level affected by regional drawdown. Water from this well is known to contain concentrations of dissolved solids greater than 1,000 mg/L. Missing record due to recorder malfunction.

PERIOD OF RECORD.--March 1989 to current year.

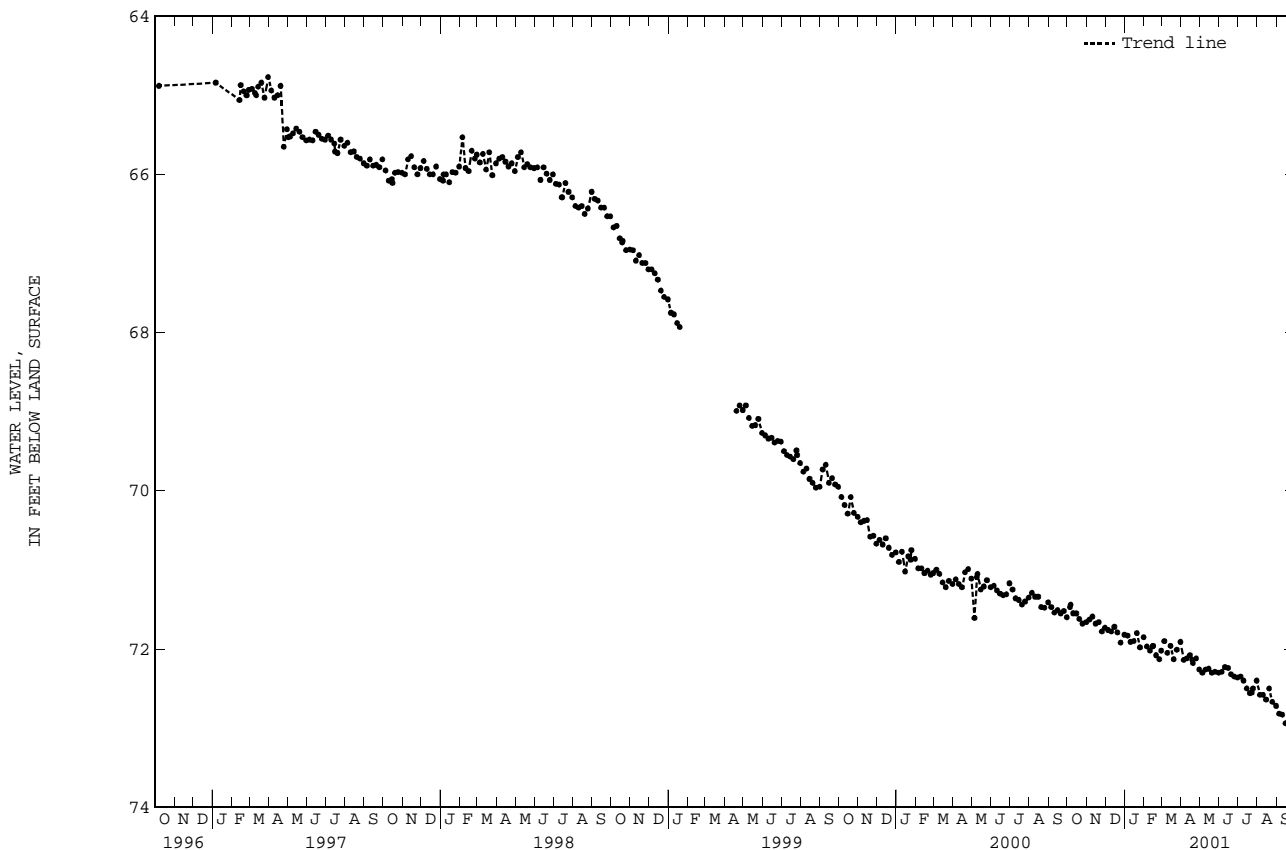
**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 49.00 ft below land-surface datum, Aug. 10, 1989; lowest measured, 72.96 ft below land-surface datum, Sep. 16, 17, 2001.

**EXTREMES FOR CURRENT YEAR.**--Highest instantaneous water level, 71.41 ft below land-surface datum, Oct. 6; lowest instantaneous water level, 72.96 ft below land-surface datum, Sep. 16, 17.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	71.47	71.63	71.76	71.83	71.97	71.90	72.14	72.30	72.29	72.35	72.58	72.82
10	71.55	71.59	71.78	71.91	72.02	72.05	72.12	72.26	72.23	72.40	72.58	72.83
15	71.55	71.68	71.72	71.90	71.96	71.96	72.08	72.25	72.24	72.50	72.64	72.94
20	71.62	71.66	71.79	71.80	72.08	72.13	72.18	72.30	72.32	72.56	72.50	72.95
25	71.68	71.78	71.92	71.98	72.13	72.01	72.12	72.29	72.35	72.50	72.67	72.82
EOM	71.66	71.73	71.82	71.85	72.02	71.91	72.26	72.30	72.36	72.40	72.72	72.93

WATER YEAR 2001      HIGHEST    71.44    OCT 06, 2000      LOWEST    72.95    SEP 20, 2001

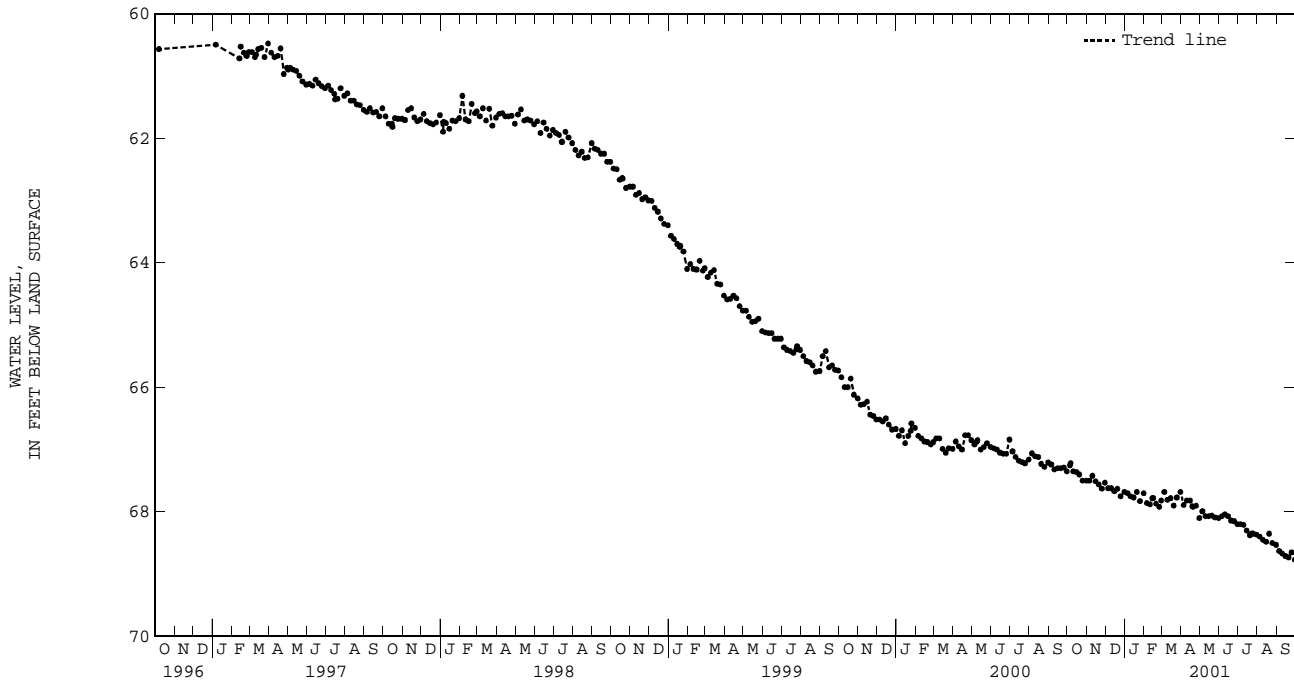


## 97

364227076074708. Local number, 61B 14 SOW 091G.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

WATER YEAR 2001	HIGHEST	67.22	OCT 06, 2000	LOWEST	68.77	SEP 30, 2001
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## GROUND-WATER LEVELS

## CITY OF CHESAPEAKE

364227076074709. Local number, 61B 15 SOW 091H.

**LOCATION.**--Lat 36°42'28", long 76°07'46", NAD83, Hydrologic Unit 03010205, 300 ft south of Lockheed Avenue, 0.7 mi east of intersection of State Highway 165 and Lockheed Avenue, and 3.8 mi east of Fentress. Owner: Virginia Department of Environmental Quality.

**AQUIFER.**--Virginia Beach aquifer of Cretaceous age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 4 in. to 700 ft, diameter 2 in. from 674 to 790 ft, depth 790 ft, screened 759 to 769 ft.

**INSTRUMENTATION.**--Occasional measurement with manometer or chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Prior to Jul. 6, 1995, bimonthly measurement with manometer.

**DATUM.**--Elevation of land-surface datum is 15 ft above sea level, from topographic map. Measuring point: Top of casing, 1.1 ft above land-surface datum.

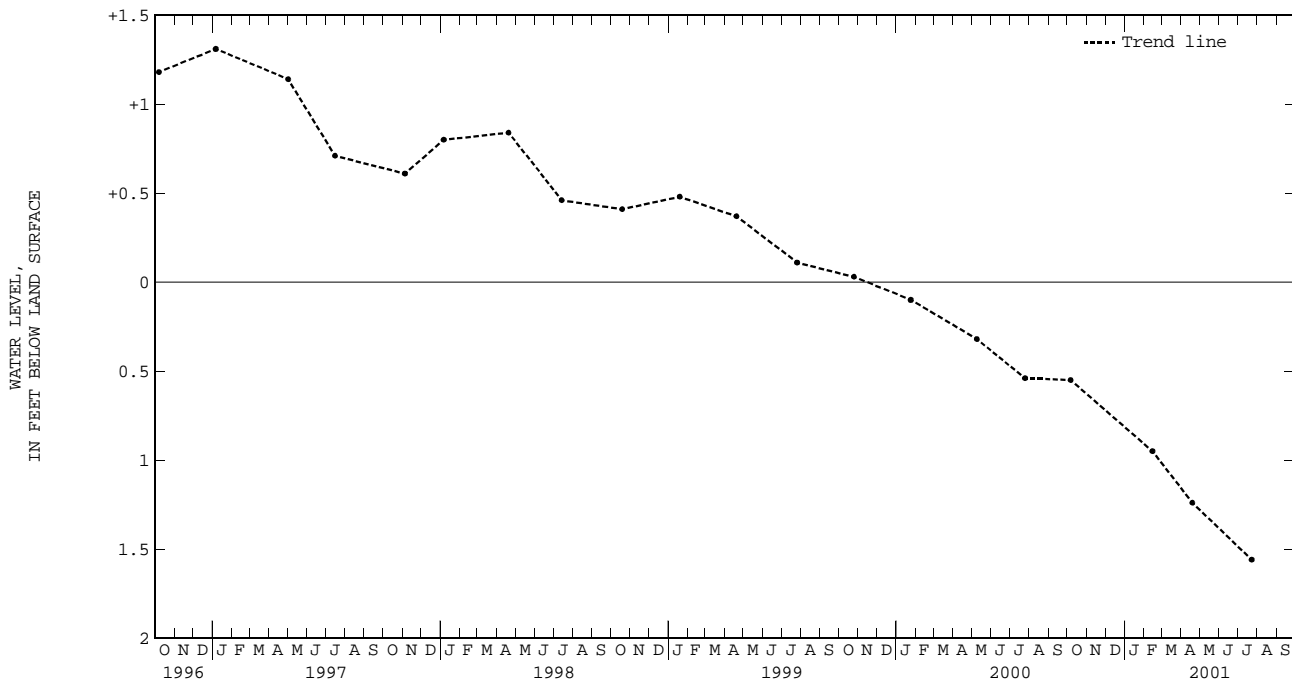
**REMARKS.**--Records provided by the Virginia Department of Environmental Quality - Water Division. Water level affected by regional drawdown. Flowing well prior to July 1997.

**PERIOD OF RECORD.**--March 1989 to current year.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 3.75 ft above land-surface datum, Apr. 20, 1989; lowest measured, 1.56 ft below land-surface datum, Jul. 23, 2001.

## WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL		
OCT 06	.55	FEB 14	.95	APR 19	1.24	JUL 23	1.56		
WATER YEAR 2001		HIGHEST		.55	OCT 06, 2000	LOWEST		1.56	JUL 23, 2001



## GROUND-WATER LEVELS

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## CITY OF CHESAPEAKE

364227076074710. Local number, 61B 16 SOW 091J.

**LOCATION.**--Lat 36°42'28", long 76°07'46", NAD83, Hydrologic Unit 03010205, 300 ft south of Lockheed Avenue, 0.7 mi east of intersection of State Highway 165 and Lockheed Avenue, and 3.8 mi east of Fentress. Owner: Virginia Department of Environmental Quality.

**AQUIFER.**--Chickahominy-Piney Point aquifer of Eocene-Oligocene age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 4.5 in. to 602 ft, diameter 2 in. from 586 to 690 ft, depth 690 ft, screened 670 to 680 ft.

**INSTRUMENTATION.**--Occasional measurement with manometer or chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Prior to Jul. 6, 1995, bimonthly measurement with manometer.

**DATUM.**--Elevation of land-surface datum is 15 ft above sea level, from topographic map. Measuring point: Top of casing, 1.1 ft above land-surface datum.

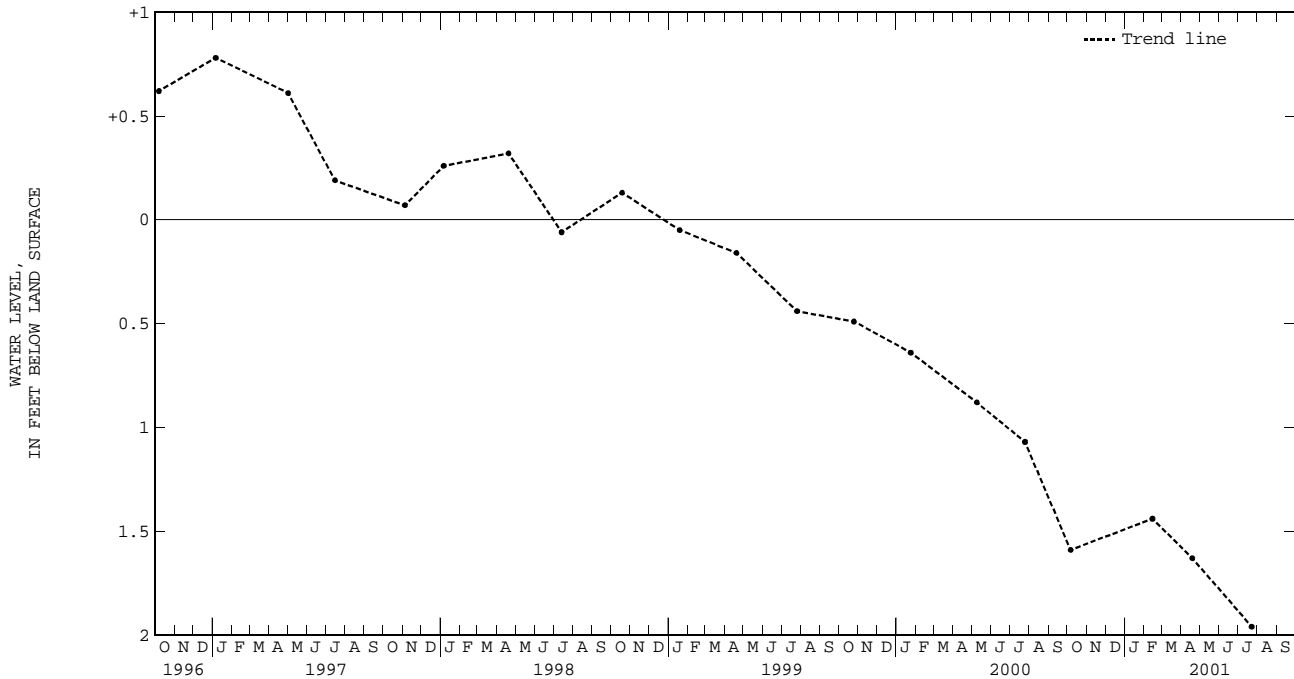
**REMARKS.**--Records provided by the Virginia Department of Environmental Quality - Water Division. Water level affected by regional drawdown. Water from this well is known to contain concentrations of dissolved solids greater than 1,000 mg/L.

**PERIOD OF RECORD.**--March 1989 to current year.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 3.31 ft above land-surface datum, Mar. 13, 1989; lowest measured, 1.96 ft below land-surface datum, Jul. 23, 2001.

## WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	1.59	FEB 14	1.44	APR 19	1.63	JUL 23	1.96
WATER YEAR 2001		HIGHEST	1.44	FEB 14, 2001	LOWEST	1.96	JUL 23, 2001



## GROUND-WATER LEVELS

## CITY OF CHESAPEAKE

364227076074711. Local number, 61B 17 SOW 091K.

**LOCATION.**--Lat 36°42'28", long 76°07'46", NAD83, Hydrologic Unit 03010205, 300 ft south of Lockheed Avenue, 0.7 mi east of intersection of State Highway 165 and Lockheed Avenue, and 3.8 mi east of Fentress. Owner: Virginia Department of Environmental Quality.

**AQUIFER.**--Yorktown-Eastover aquifer of Miocene-Pliocene age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 4.5 in. to 78 ft, diameter 2 in. from 78 to 108 ft, depth 108 ft, screened 88 to 98 ft.

**INSTRUMENTATION.**--Occasional measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Prior to Jul. 6, 1995, bimonthly measurement with chalked tape.

**DATUM.**--Elevation of land-surface datum is 15 ft above sea level, from topographic map. Measuring point: Top of casing, 1.3 ft above land-surface datum.

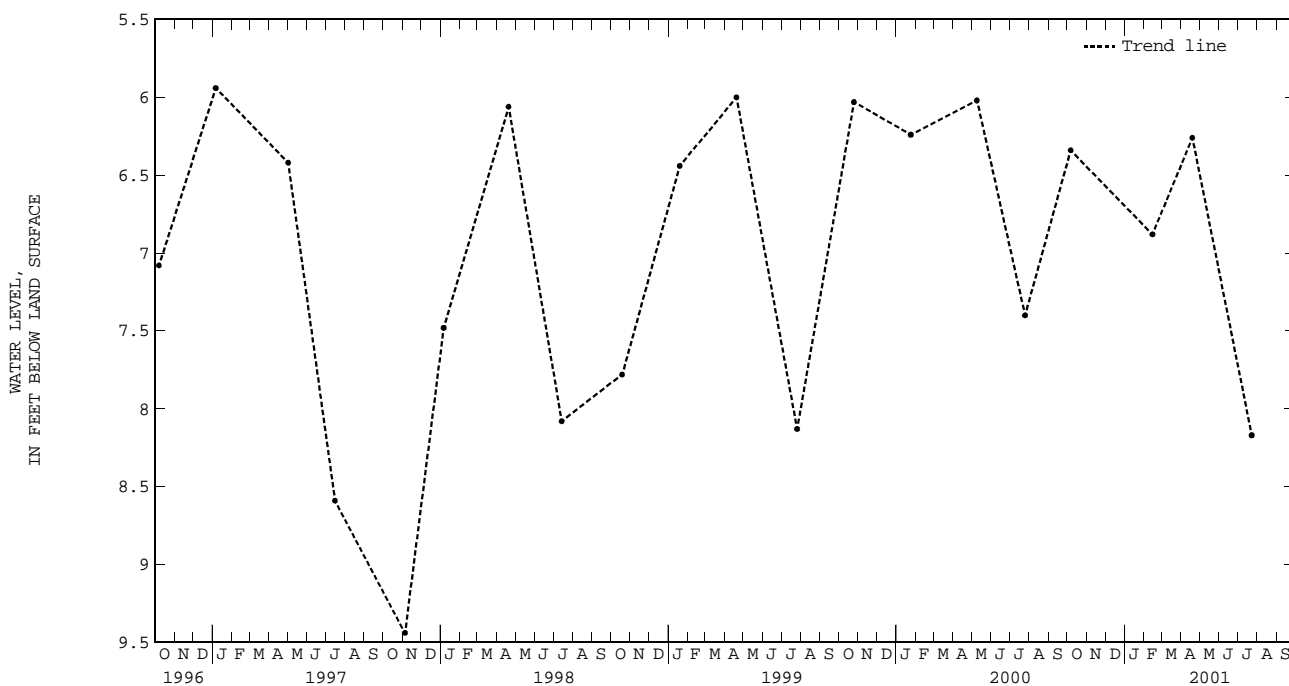
**REMARKS.**--Records provided by the Virginia Department of Environmental Quality - Water Division.

**PERIOD OF RECORD.**--March 1989 to current year.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 5.00 ft below land-surface datum, Jan. 30, 1991; lowest measured, 9.44 ft below land-surface datum, Nov. 5, 1997.

## WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	6.34	FEB 14	6.88	APR 19	6.26	JUL 23	8.17
WATER YEAR 2001		HIGHEST	6.26	APR 19, 2001	LOWEST	8.17	JUL 23, 2001



## GROUND-WATER LEVELS

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## CITY OF CHESAPEAKE

364227076074713. Local number, 61B 19 SOW 091M.

**LOCATION.**--Lat 36°42'28", long 76°07'46", NAD83, Hydrologic Unit 03010205, 300 ft south of Lockheed Avenue, 0.7 mi east of intersection of State Highway 165 and Lockheed Avenue, and 3.8 mi east of Fentress. Owner: Virginia Department of Environmental Quality.

**AQUIFER.**--Columbia aquifer of Quaternary age.

**WELL CHARACTERISTICS.**--Drilled observation water well, diameter 4.5 in., depth 20 ft, screened 10 to 20 ft.

**INSTRUMENTATION.**--Occasional measurement with chalked tape by Virginia Department of Environmental Quality - Water Division personnel. Prior to Jul. 6, 1995, bimonthly measurement with chalked tape.

**DATUM.**--Elevation of land-surface datum is 15 ft above sea level, from topographic map. Measuring point: Top of casing, 1.1 ft above land-surface datum.

**REMARKS.**--Records provided by the Virginia Department of Environmental Quality - Water Division.

**PERIOD OF RECORD.**--March 1989 to current year.

**EXTREMES FOR PERIOD OF RECORD.**--Highest water level measured, 1.09 ft below land-surface datum, Feb. 26, 1992; lowest measured, 6.74 ft below land-surface datum, Nov. 1, 1994.

## WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 06	3.24	FEB 14	3.39	APR 19	3.27	JUL 23	5.78
WATER YEAR 2001		HIGHEST	3.24	OCT 06, 2000	LOWEST	5.78	JUL 23, 2001

